

**ABSTRACT**

A method of fabricating a printhead chip that includes a plurality of nozzle arrangements, each nozzle arrangement having nozzle chamber walls that define a nozzle chamber and an ink ejection port bounded by a rim includes the step of depositing a sacrificial layer on a substrate having drive circuitry formed on the substrate. The sacrificial layer is etched to define deposition zones for the nozzle chamber walls and the rim. A conformal layer of structural material is deposited on the sacrificial layer. The conformal layer is planarized to a predetermined depth to define each ink ejection port bounded by its respective rim. The sacrificial layer is then etched away.